

# **Journeyman's Exam**

**Notification of exam location will be mailed two weeks before**

**Test starts at 8 a.m.**

**5 hour time limit**

**Extra material will be allowed but the**

**5 hour time limit will be enforced**

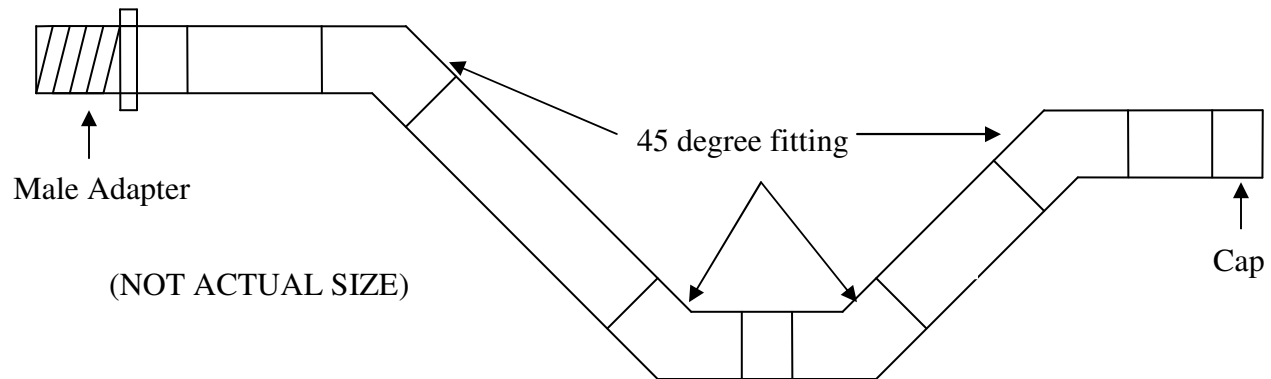
**Shorts, sleeveless shirts and tennis shoes are not allowed**

**Safety glasses are required**

## **Grading schedule**

<b><u>Phase</u></b>		<b><u>Values</u></b>
<b><u>Soil Pipe Project</u></b>	-	<b>Total 100 Points</b>
<b>Appearance</b>	-	<b>10 points</b>
<b>Alignment</b>	-	<b>10 points</b>
<b>Proper Torque</b>	-	<b>15 points</b>
<b>Proper Bands</b>	-	<b>15 points</b>
<b>Measurements</b>	-	<b>50 points</b>
<b><u>Copper Project</u></b>	-	<b>Total 100 points</b>
<b>Measurements</b>	-	<b>36 points</b>
<b>Pressure Test</b>	-	<b>34 points</b>
<b>Appearance</b>	-	<b>15 points</b>
<b>Alignment</b>	-	<b>15 points</b>
<b>Deductions will be given as follows:</b>		
<b>Missed measurements</b>	-	<b>6 points each</b>
<b>Pressure test leak</b>	-	<b>35 points</b>
<b>Reversed end fittings</b>	-	<b>10 points</b>
<b><u>Written Test</u></b>	-	<b>Total 100 points</b>
<b><u>Drawing Pipe Sizing</u></b>	-	<b>Total 100 points</b>

# Copper Project



**Material that you need to supply and have with you for this project**

- 1 - 3/4" X 3' type M copper pipe**
- 1 - 3/4" copper male adapter**
- 1 - 3/4" copper cap**
- 4 - 3/4" copper 45 degree fitting**

**Sand Paper and Fitting Brush**

**Soldering Flux**

**Torch**

**Lead-free Solider**

**Tubing cutters**

**Tape measure**

**Level**

**Calculator**

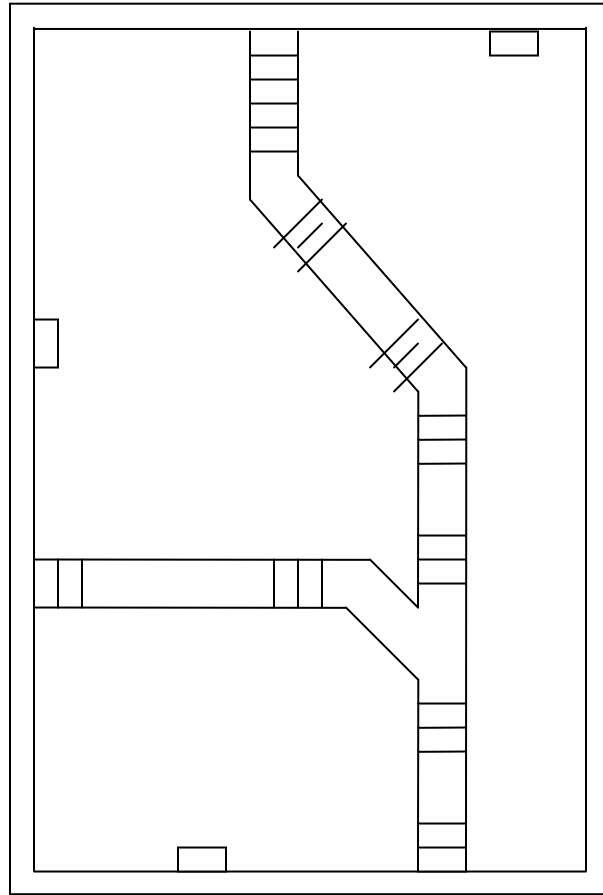
**NOTE: Be prepared to construct the above project with the above fittings and a limited number of measurements are giving.**

**BRING SAFETY GLASSES THAT MUST**  
**BE WORN AT ALL TIMES**

# Cast Iron Project

(NOT ACTUAL SIZE)

**Fittings and Pipe  
will be supplied**



**Material that you need to supply and have with you for this project**

- 11 - 1 ½”No-Hub Clamps**
- Torque Wrench**
- Tape Measure**
- Level**
- Calculator**

**NOTE: Be prepared to construct the above project with the above fittings and a limited number of measurements are giving.**

**BRING SAFETY GLASSES THAT MUST  
BE WORN AT ALL TIMES**